TREK-303

7" Smart Vehicle Display



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Introduction

The TREK-303 is a vehicle display system for Mobile Resource Management (MRM) applications in trucks, buses and taxis. The TREK-303 touch panel is the perfect size for tight spaces; ideal for fleet management and dispatch applications. It also meets requirements for automotive grade working temperatures (-30 ~ 70° C). TREK-303 provides excellent display capabilities, featuring light-weight housing, compatible with RAM mounting solutions that customers can easily install. TREK-303 supports two display resolutions. The low resolution panel is design compatible with the TREK-510 vehicle computing system; the high resolution panel is design compatible with TREK-550 computing system. TREK-303 is designed with drivers in mind: when the system requires powering up or waking up, it can be easily controlled from the button located in back; and for night driving, the panel has an auto detecting light sensor to automatically adjust brightness. TREK-303 is a smart display designed especially for truck, bus, and taxi drivers.

Features

power buttonCE/FCC/e13 certified

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resolutions for different LCD panels - 30 to 70° C wide range temperature support

One cable connects with TREK-5xx series

• 7" display with touchscreen supports both 480 x 234 and 800 x 480

Supports auto-adjust light sensor LCD backlight brightness control

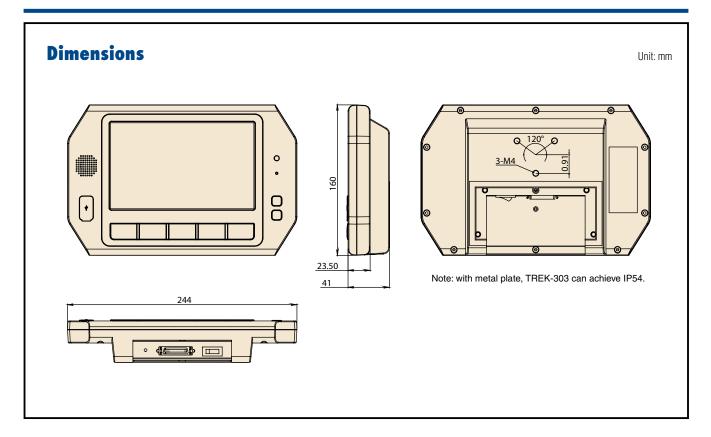
Wake up/power button on back for easy to wake up/power up; LCD backlight

- Five user-defined function keys, 2 watt speaker, and USB host.

Specifications

Models TREK-303R-LA0E TREK-303R-HA0E Design Compatible Models paired with TREK-510 paired with TREK-550 Resolution(pixel) 480 x 234 800 x 480 Number of Colors 262 K (supports 18-bit) 262K (supports 24-bit) Brightness (od/m²) 500 (typical) without touchscreen 500 (typical) without touchscreen View Angle (RV/B/T) 70' / 70' / 60' / 60' 70' / 70' / 60' / 60' Contrast Ratio 300 500 Lamp Life (hrs) 10,000 (min) 50,000 (min) Lamp Life (hrs) 10,000 (min) 50,000 (min) Touchscreen 4-wire resistive (GFG 4-wire design reserve) Contrast Ratio Supports 5 hotkeys (user defined) Bock plane Speaker 2 watts Front plane Speaker 2 watts Power Wake Up Button Yes Reset Buton Yes Reset Buton Yes Mechanical PC Mechanical PC Mechanical PC Mechanical PC Metrial Speaker	-			
Resolution(pixel) 480 x 234 800 x 480 Number of Colors 262 K (supports 18-bit) 262K (supports 24-bit) Pixel Pitch 0.107 (W) x 0.37 (H) 0.2168 (H) x 0.2168 (V) Brightness (cd/m ²) 500 (typical) without touchscreen 500 (typical) without touchscreen View Angle (R/L/B/T) 70° / 70° / 60° / 60° 70° / 70° / 60° / 60° Lamp Life (hrs) 10,000 (min) 50,000 (min) Lamp Life (hrs) 10,000 (min) 50,000 (min) Lamp Type CCFL LED Touchscreen 4-wire resistive (GFG 4-wire design reserve) 4-wire resistive (GFG 4-wire design reserve) Back plane Newr/Wake Up Button Yes Yes Power Supports 24-bit Yes Yes Reset Button Yes Yes Yes Power Consumption Yes Yes Material Power Yes Yes Material PC Yes Yes Material PC Yes Yes Material PC Yes Yes <td rowspan="6">Display</td> <td>Models</td> <td>TREK-303R-LA0E</td> <td>TREK-303R-HA0E</td>	Display	Models	TREK-303R-LA0E	TREK-303R-HA0E
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Pixel Pitch 0.107 (W) x 0.37 (H) 0.2168 (H) x 0.2168 (V) Brightness (cd/m ²) 500 (typical) without touchscreen 500 (typical) without touchscreen View Angle (R/L/B/T) 70° / 70° / 60° / 60° 70° / 70° / 60° / 60° Contrast Ratio 300 5000 (min) Lamp Life (hrs) 10,000 (min) 50,000 (min) Lamp Type CCFL LED Touchscreen 2 watts 50 Hotkey Supports 5 hotkeys (user defined) Brightness Control Light sensing (default), manually controlled by button (optional) USB Host x1 Back plane Power Wake Up Button Yes Power Consumption *8W (Max.) ~7W (Max.) Material Design compatible with RAM mount Material PC *1 Methanization PC *244 x 160 x 41 mm IPrating Temperature -30 to + 70° C *1		Resolution(pixel)	480 x 234	800 x 480
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	Environment			
Vibration MIL-STD-810F, SAE J1455 4.9.4.2		•		
		Vibration	MIL-STD-810F, SAE J1455 4.9.4.2	

TREK-303



Fully Integrated I/O



A. USB HostB. 5 programmable hotkeysC. D. Brightness control

E. Power LED F. Light sensor G. Speaker

Note: Backlight off: Press C button to the lowest level

Packing List

Description	
TREK-303R	

Quantity



Power button LVDS connector

Ordering Information

Part Number	Description
TREK-303R-LA0E	7" vehicle display system, 480 x 234 resolution, with 4 wire resistive touchscreen, 2-watt speaker
TREK-303R-HA0E	7" vehicle display system, 800 x 480 resolution, with 4wire resistive touchscreen, 2-watt speaker
RAM-Mount-02	VESA RAM mount w/2.5" DIA. base, 1.5" ball
RAM-MOUNT-03	VESA RAM mount w/3.68" DIA., 2.25" ball